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R-GMA Archiver Service Dash Board Notes

These notes describe the evaluation of the R-GMA Archiver service for the LCG production. The status is summarised on the WlwgScDash pages.

For details of the method, see WlwgScDashNotes.

Requirements

Assess	Question to set assessment color if not available
Green	Service class defined for calendar periods, class M in all periods
Green	Disk space requirements defined, about 2 GB for 1 month history
Green	Database requirements defined, currently MySQL 4.x managed by R-GMA
Green	Middleware components defined: R-GMA server
Green	Connectivity requirements defined (incoming on low ports required): incoming on high ports
Yellow	Backup objects defined (directories, databases): MySQL database (latestProducer, historyProducer)
RED	High level diagram of services: currently a draft is available, not yet public

Development

Assess	Question to set assessment color if not available
Green	Code delivered and installation images available: part of LCG-2_6_0 release
Green	Code certified
Yellow	Administration Guide available
RED	Problem Determination Guide available
Green	Middleware pre-requisites (web server, LDAP, ...) defined

Hardware

Assess	Question to set assessment color if not available
Yellow	CPU power required for application: not fully clear yet, mid-range server machine should be OK
Yellow	Memory requirement for application: as above
RED	Inventory of hardware components defined
Green	Machines on order or available: mon.cern.ch?
Green	Machines installed in appropriate location within data centre (UPS,Network)
Green	Database server and disk space allocated

Operations

Assess	Question to set assessment color if not available
RED	2nd level support organisation defined (who to call when there is a problem with the application or middleware)
Yellow	Mechanism to contact 2nd level organisation
Yellow	Response time for 2nd level organisation
Green	List of machines where service is running defined: mon.cern.ch

Yellow	List of configuration parameters and their values for the software components
Yellow	List of processes to monitor
Yellow	List of file systems and their emergency thresholds for alarms
RED	Application status check script requirements defined
RED	Definition of scheduled processes (e.g. cron)
Yellow	Test environment defined and available
Yellow	Problem determination procedures including how to determine application vs middleware vs database issues
Yellow	Procedures for start/stop/drain/check status defined
Yellow	Automatic monitoring of the application in place
Yellow	Backup procedures defined and tested: a draft of backup procedure is written and partially tested

Related Documents

Link	Description
ScFourTechnicalQuestionnaire	SC4 Evaluation for a product
ScFourServiceTechnicalFactors	Documentation of technical information regarding an SC4 product or service

This topic: LCG > WlwgScDashArch

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